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A - Z

Supplementary
Owner's Manual

The Ultimate
Driving Machine

THE BMW 1 SERIES M COUPE.

SUPPLEMENTARY OWNER'S MANUAL.

BMW M.

Online Edition for Part no. 01 40 2 609 935 - © 08/11 BMW AG

1-Series M Coupe

Supplementary Owner's Handbook for Vehicle

Thank you for choosing a BMW 1-Series M Coupe.

The more familiar you are with your vehicle, the better control you will have over it on the road.
We therefore strongly suggest:

Read the information provided in this Supplementary Owner's Handbook before starting out in your new BMW. It contains important information on vehicle operation that will help you make full use of the technical features available in your BMW.

We wish you an enjoyable driving experience.

BMW AG

BMW recommends Castrol

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Notes

Using this Owner's Manual

This Supplementary Owner's Handbook contains all important equipment information, operating instructions, and technical data of the BMW 1-Series M Coupe that differ from the BMW 1-Series. Descriptions that are not contained in this Supplementary Owner's Handbook can be found in the Owner's Manual for Vehicle or in the additional brochures that may be included in the onboard literature.

We have tried to make the information in this Supplementary Owner's Handbook easy to locate. The fastest way to find specific topics is to refer to the detailed index at the back of the manual. If you wish to gain an initial overview of your vehicle, you will find this in the first chapter.

Should you sell your BMW one day, please remember to hand over the Supplementary Owner's Handbook as well; it is an important component of your vehicle.

Symbols used

Indicates precautions that must be followed precisely in order to avoid the possibility of personal injury and serious damage to the vehicle.◀

Indicates information that will assist you in gaining the optimum benefit from your vehicle and enable you to care more effectively for your vehicle.◀

Refers to measures that can be taken to help protect the environment.◀

◀ Marks the end of a specific item of information.

Symbols on vehicle components

Indicates that you should consult the relevant section of this Owner's Manual for information on a particular part or assembly.

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Vehicle equipment

This Supplementary Owner's Handbook describes all models and all series-specific equipment, country-specific equipment, and optional equipment that is offered in the series. For this reason, this Supplementary Owner's Handbook also describes and illustrates some equipment that may not be available in your vehicle, for example due to the special options or national-market version selected.

This also applies to safety related functions and systems.

If equipment and models are not described in this Supplementary Owner's Handbook, please consult the accompanying Owner's Manual.

Status of this Owner's Manual at time of printing

BMW pursues a policy of continuous, ongoing development that is conceived to ensure that our vehicles continue to embody the highest quality and safety standards combined with advanced, state-of-the-art technology. In rare cases, therefore, the features described in this Supplementary Owner's Handbook may differ from those in your vehicle.

Updates after press date

Updates after press date for the Owner's Manuals, when necessary, are issued as appendices to the printed Quick Reference Guide for the vehicle.

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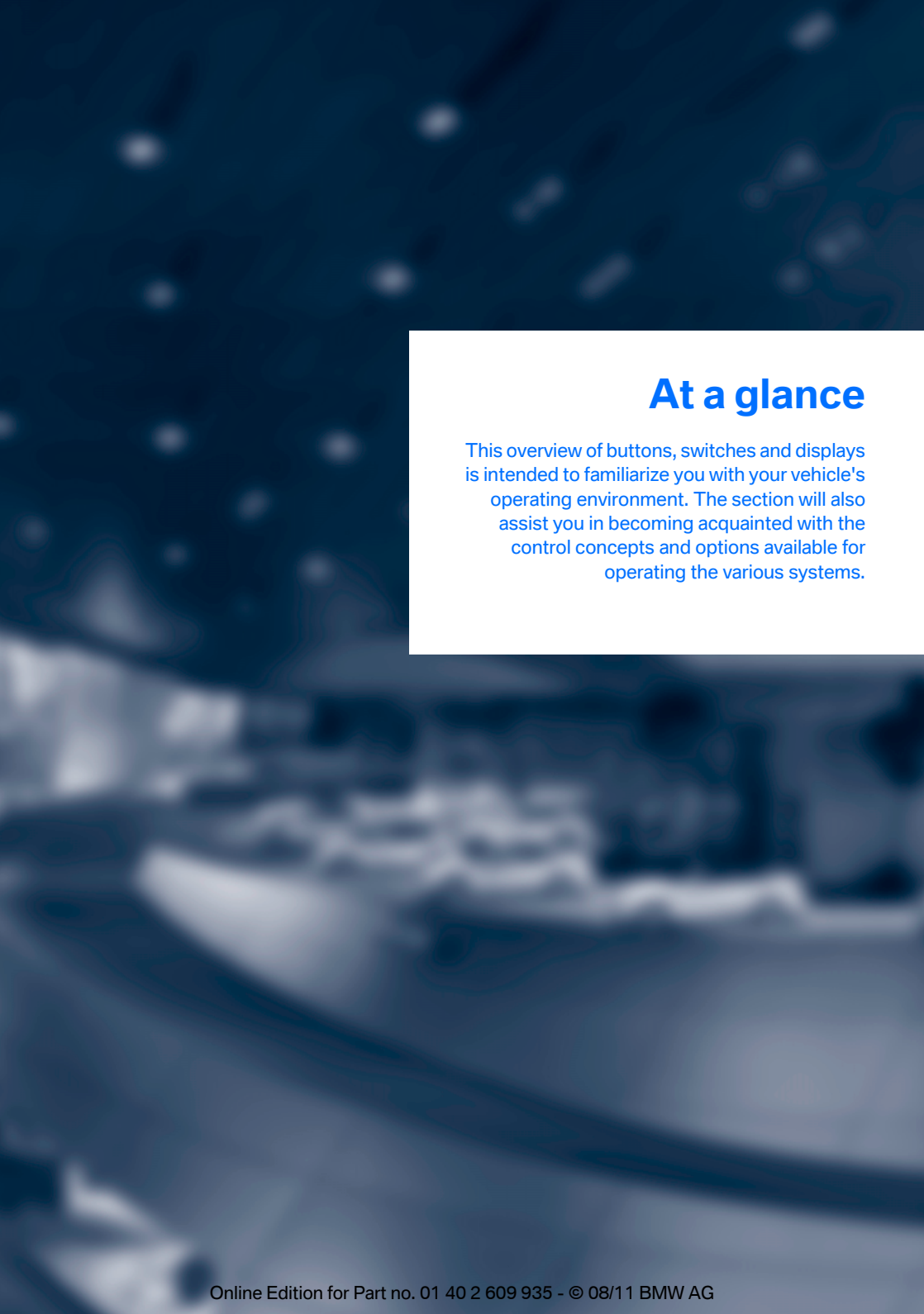

At a glance

This overview of buttons, switches and displays is intended to familiarize you with your vehicle's operating environment. The section will also assist you in becoming acquainted with the control concepts and options available for operating the various systems.

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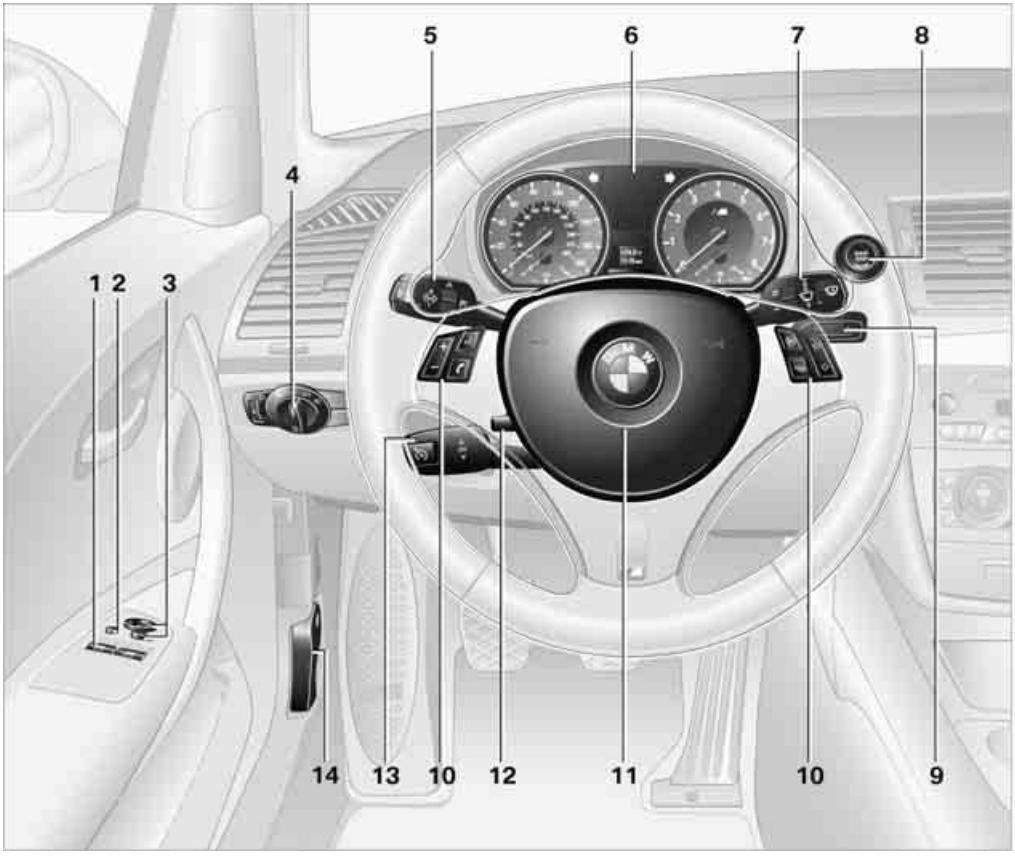
Dashboard

Vehicle equipment

In this chapter, all production, country, and optional equipment that is offered in the model range is described. For this reason, descriptions will be given of some equipment that may not be available in a vehicle, for example due to the special options or national-market version selected. This also applies to safety related functions and systems.

Around the steering wheel: Controls and displays



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The description of features without specific page references can be found in the Owner's Manual for Vehicle under the respective keyword.◀

1 Opening and closing windows

2 Exterior mirrors folding in and out

3 Adjusting exterior mirrors, automatic curb monitor

4

Parking lamps/low beams

Low-beam headlamps

Automatic
headlamp control
Adaptive Light Control
High-Beam Assistant

5

Turn signal indicators

High beams, headlamp flasher

Roadside parking lamps

Computer

Settings and information about the vehicle

6 Instrument cluster 10

7

Windshield wipers

Rain sensor

8 Switching the ignition on/off and starting/stopping the engine

9 Ignition lock

10 Buttons on the steering wheel

Telephone:
Accepting and ending a call; dialing selected phone number. Redialing if no phone number is selected

Volume

Voice commands for telephone

Changing the radio station
Interrupting a traffic bulletin

Selecting a music track
Scrolling through the redial list

M Engine Dynamics Control 16

Next entertainment source

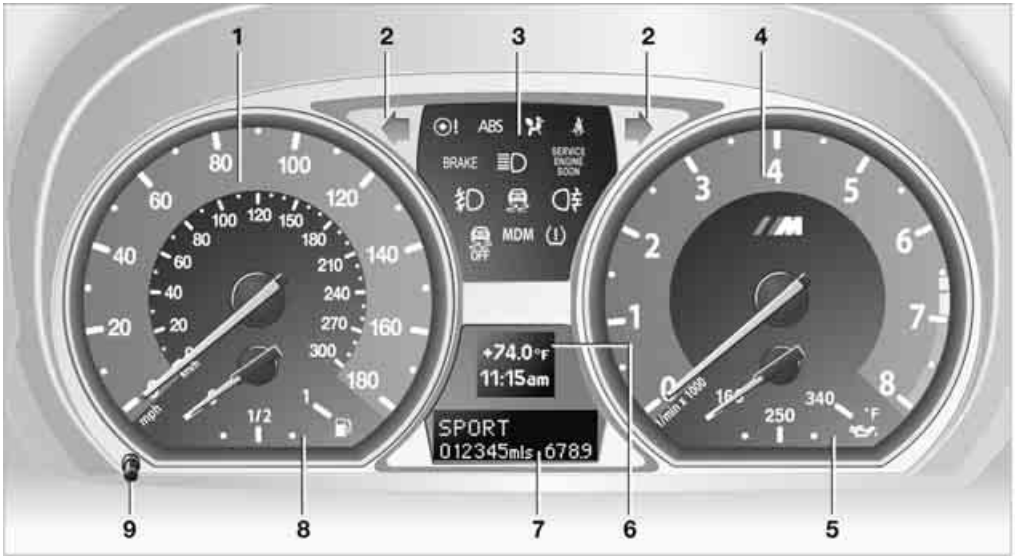
11 Horn, entire surface

12 Adjusting the steering wheel

13 Cruise control

14 Releasing the hood

Instrument cluster



The description of features without specific page references can be found in the Owner's Manual for Vehicle under the respective keyword.◀

1 Speedometer

2 Indicator lamps for turn signals

3 Indicator and warning lamps 11

4 Tachometer 17

5 Engine oil temperature 17

6 Display for

- Clock
- Outside temperature
- Indicator and warning lamps

7 Display for

- Computer
- Date of next scheduled service, and remaining distance to be driven
- Odometer and trip odometer
- High-beam Assistant
- Initializing Flat Tire Monitor
- Resetting the Tire Pressure Monitor
- Checking oil level
- Settings and information
- ⚠There is a Check Control message
- SPORT M Engine Dynamics Control 16

8 Fuel gauge 17

9 Resetting the trip odometer

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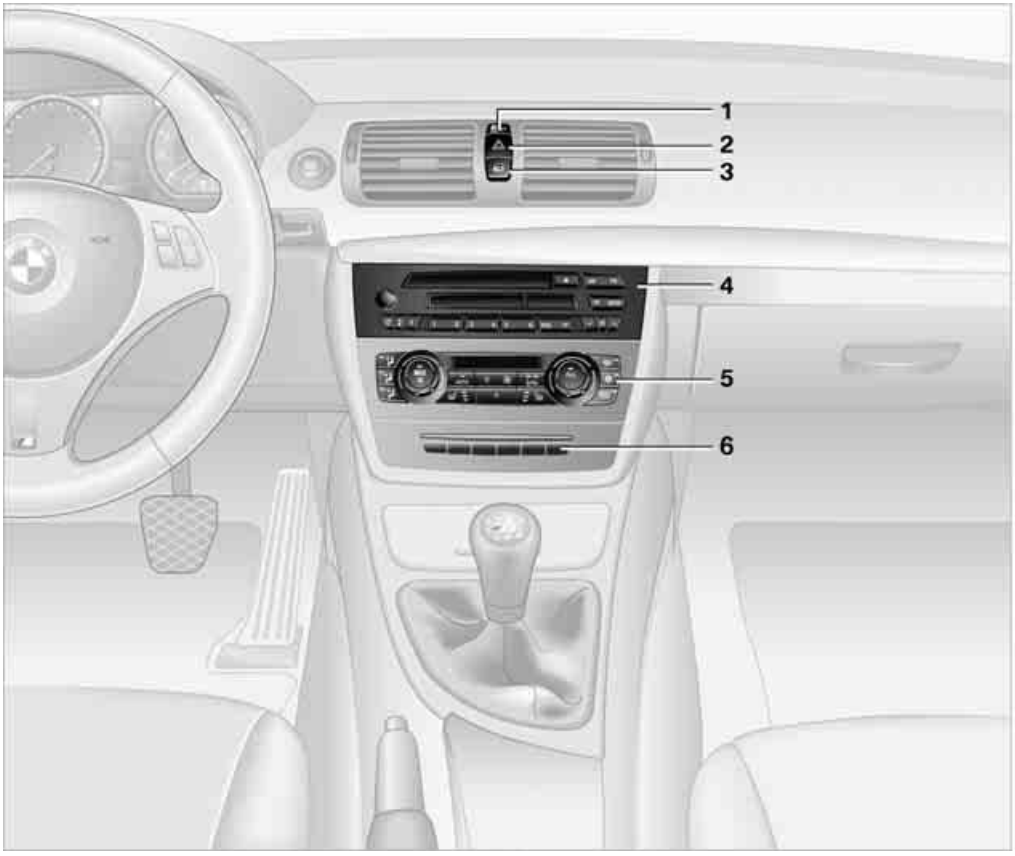
Indicator and warning lamps

Indicator lamps without text messages

The following indicator lamps notify you that certain functions are active:

M Dynamic Mode 19

Around the center console: Controls and displays



The description of features without specific page references can be found in the Owner's Manual for Vehicle under the respective keyword.◀

1 Driving stability control systems
- ▷ Dynamic Stability Control DSC 19
- ▷ M Dynamic Mode MDM 19

2 Hazard warning flashers

3 Central locking system

4 Radio, refer to separate Owner's Manual

5 Air conditioner or automatic climate control

- Air distribution
- Air distribution to the windshield
- Air distribution to the upper body area
- Air distribution to the footwell
- AUTO Automatic air distribution and flow rate
- Cooling function

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Automatic recirculated-air control
AUC and recirculated-air mode

Recirculated-air mode

Maximum cooling

ALL program

Air flow rate

Defrosting windows

Rear window defroster

Seat heating

6

Seat heating

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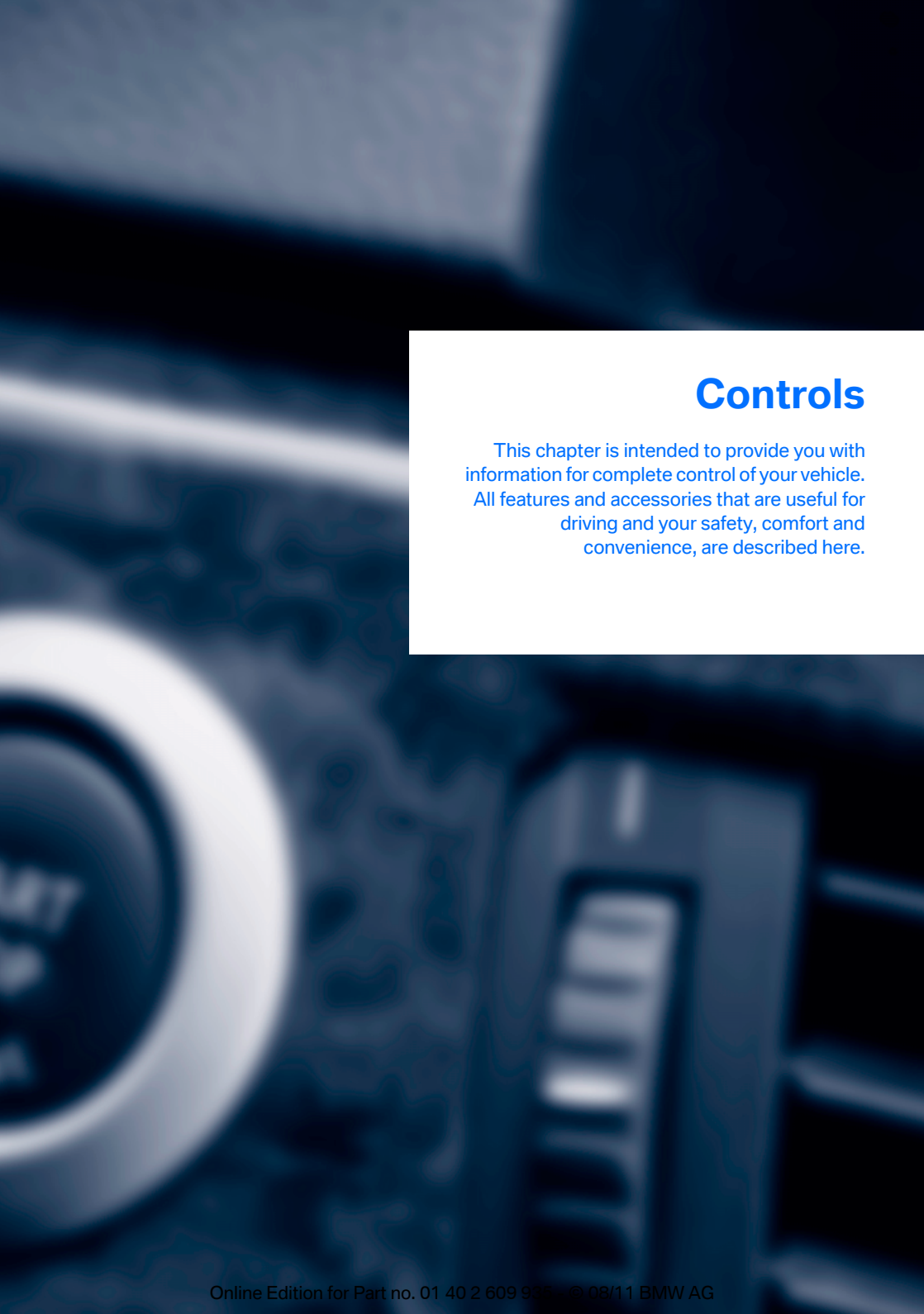

Controls

This chapter is intended to provide you with information for complete control of your vehicle. All features and accessories that are useful for driving and your safety, comfort and convenience, are described here.

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Driving

Vehicle equipment

In this chapter, all production, country, and optional equipment that is offered in the model range is described. For this reason, descriptions will be given of some equipment that may not be available in a vehicle, for example due to the special options or national-market version selected. This also applies to safety related functions and systems.

Overboost

Overboost briefly increases the maximum torque to 369 lb ft/500 Nm, e.g. for passing. To activate it, press the accelerator down all the way.

M Engine Dynamics Control

The concept

Die M Engine Dynamics Control permits you, at the push of a button, to have your BMW react in an even more sporty fashion when driving:

- Optimal use is made of the engine's speed range.
- The engine reacts more spontaneously to accelerator pedal movements.
- Cruise control:
  The stored speed is reached more quickly.

Activating the system

Press the button on the steering wheel.

SPORT is displayed in the instrument cluster.
M Engine Dynamics Control is active.

Deactivating the system

Press the button on the steering wheel again.

The SPORT displayed in the instrument cluster goes out.

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Controls overview

Vehicle equipment

In this chapter, all production, country, and optional equipment that is offered in the model range is described. For this reason, descriptions will be given of some equipment that may not be available in a vehicle, for example due to the special options or national-market version selected. This also applies to safety related functions and systems.

Tachometer

If at all possible, avoid engine speeds in the yellow advance warning zone, arrow **1**.

Absolutely avoid engine speeds in the red warning field, arrow **2**. In this range, the engine speed is limited to protect the engine.

Engine oil temperature

When the engine is at normal operating temperature, the engine oil temperature is between approx. 210 °F /100 °C and approx. 300 °F / 150 °C.

If the engine oil temperature is too high, a warning lamp lights up in the instrument cluster.

Fuel gauge

Fuel tank capacity: approx. 14 US gal/53 liters.

You can find information on refueling on page 30.

If the tilt of the vehicle varies for a longer period, when you are driving in mountainous areas, for example, the indicator may fluctuate slightly.

Reserve

Refuel as soon as possible once your cruising range falls below 30 miles/ 50 km, otherwise engine functions are not ensured and damage can occur.◀

Once the fuel level has fallen to the reserve zone of approx. 2.1 US gal/8 liters, the indicator lamp and cruising range for the remaining amount of fuel are displayed briefly. The indicator lamp remains permanently on when the remaining range is less than approx. 30 miles/ 50 km.

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Technology for driving comfort and safety

Vehicle equipment

In this chapter, all production, country, and optional equipment that is offered in the model range is described. For this reason, descriptions will be given of some equipment that may not be available in a vehicle, for example due to the special options or national-market version selected. This also applies to safety related functions and systems.

Driving stability control systems

Contrary to the description in the Owner's Manual for Vehicle, your BMW 1-Series M Coupe is not equipped with Dynamic Traction Control DTC.

Dynamic Stability Control DSC

DSC optimizes driving stability and traction. In addition, the system recognizes unstable driving situations such as understeering and oversteering, and helps keep the vehicle on a safe course within physical limits by reducing engine power and applying the brakes on individual wheels.

The laws of physics cannot be repealed, even with DSC. An appropriate driving style always remains the responsibility of the driver. Therefore, do not reduce the additional safety margin again by taking risks, as this could result in an accident.◀

M Dynamic Mode MDM

M Dynamic Mode is a mode of the Dynamic Stability Control DSC that permits greater longitudinal and lateral acceleration when driving on dry surfaces, yet with reduced driving stability. Only at the absolute limit of stability does the system intervene to stabilize the vehicle by reducing engine power and applying the brakes on the wheels. In such situations, additional corrective steering maneuvers may be necessary.

M Dynamic Mode is switched off every time the engine is started.

When the M Dynamic Mode is on, stabilizing measures are performed to a limited degree only. Take action yourself, otherwise there is a risk of an accident.◀

To maintain vehicle stability, drive with the DSC activated and the M Dynamic Mode deactivated whenever possible.◀

Activating MDM

Push the button: the indicator lamps for MDM and DSC OFF light up.

For better control

MDM The indicator lamps MDM and DSC OFF light up and the indicator lamp DSC flashes: M Dynamic Mode is controlling the drive and braking forces.

The indicator lamp DSC lights up: DSC and M Dynamic Mode have failed.

MDM The indicator lamps MDM and DSC OFF light up:
M Dynamic Mode is activated.

OFF

Deactivating MDM

Press the button again; the indicator lamps in the instrument cluster go out.

Deactivating DSC

Press the button for at least 3 seconds until the indicator lamp for DSC OFF lights up and DSC OFF is displayed in the instrument cluster. DSC and M Dynamic Mode are both deactivated. Stabilizing and drive-output promoting actions are no longer executed.

You may find it useful to briefly deactivate DSC under the following exceptional circumstances:

- When driving uphill on snow-covered roads, in slush or on unplowed, snow-covered roads
- When rocking a stuck vehicle free or starting off in deep snow or on loose ground
- When driving with snow chains

To increase vehicle stability, activate DSC again as soon as possible.

Activating DSC

Press the button again; the indicator lamp in the instrument cluster goes out.

For better control

If the indicator lamp flashes: The DSC controls the driving and braking forces.

If the indicator lamp lights up: DSC and MDM have failed.

OFF The indicator lamp lights up and DSC OFF is displayed in the instrument cluster: DSC is deactivated.

Drive-off assistant

The drive-off assistant enables you to drive off smoothly on uphill gradients. It is not necessary to use the parking brake for this.

1. Hold the car in place by depressing the brake.
2. Release the brake and drive off without delay.

The drive-off assistant holds the car in place for approx. 2 seconds after the brake is released. Drive off without delay after releasing the brake. Otherwise, the drive-off assistant will no longer hold the car in place after approx. 2 seconds and the car will start to roll backwards.◀

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Driving tips

This section provides you with information useful in dealing with specific driving and operating conditions.

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Things to remember when driving

Vehicle equipment

In this chapter, all production, country, and optional equipment that is offered in the model range is described. As a result, some equipment described may not be available in a particular vehicle, for example due to the options or national-market version selected. This also applies to safety related functions and systems.

Break-in period

Note the following instructions for your BMW 1-Series M Coupe that deviate from the description in the Owner's Manual for Vehicle.

Engine and differential

Always obey all official speed limits.

Up to 1,200 miles/2,000 km

Drive at varying engine and road speeds, but do not exceed an engine speed of 5,500 rpm and a road speed of 105 mph/170 km/h.

Do not depress the accelerator all the way.

From 1,200 miles/2,000 km to 3,000 miles/5,000 km

Engine and road speeds can be increased gradually up to a traveling speed of 135 mph/220 km/h. Use the maximum speed only for brief intervals, e.g. when passing.

Transmission

The transmission begins functioning at an optimal level only after a distance of approx. 300 miles/500 km. Do not exceed engine speeds of 5,500 rpm during this period.

General driving notes

Clearance

Take into account the limited clearance of your BMW 1-Series M Coupe, e.g. when driving into underground parking garages or over obstacles. Otherwise, the vehicle may be damaged.◀

Braking safely

Hills

To prevent overheating and the resulting reduced efficiency of the brake system, drive long or steep downhill gradients in the gear in which the least braking is required. Even light but consistent brake pressure can lead to high temperatures, brake wear and possibly even brake failure.◀

You can increase the engine's braking effect by shifting down, all the way to first gear if necessary. This strategy helps you avoid placing excessive loads on the brake system.

Never drive with the clutch held down, with the transmission in neutral or with the engine switched off; otherwise, engine braking action will not be present or there will be no power assistance to the brakes or steering. Never allow floor mats, carpets or any other objects to protrude into the area around the pedals; otherwise, pedal function could be impaired.◀

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Corrosion on brake rotors

When the vehicle is driven only occasionally, during extended periods when the vehicle is not used at all, and in operating conditions where brake applications are less frequent, there is an increased tendency for corrosion to form on rotors, while contaminants accumulate on the brake pads. This occurs because the minimum pressure which must be exerted by the pads during brake applications to clean the rotors is not reached.

This can also lead to a permanent loss in ride comfort and to squealing noises during braking. A loss in comfort can also be caused by extended braking with little pressure on the pedal.

Should corrosion form on the brake rotors, the brakes will tend to respond with a pulsating effect that even extended application will fail to cure.

For information on brake system technology, refer to Compound brake on page 26.

Right-hand/left-hand traffic

When crossing the border into countries in which one drives on the other side of the road than in the country of registration, it is necessary to take steps to avoid blinding oncoming traffic with the headlamps.

Your BMW center stocks adhesive film. Follow the accompanying instructions for applying the film.

When the headlamps have been covered with the adhesive film, rotate the light switch to position **2**, refer to the Owner's Manual for the vehicle to switch on the low beams, even with automatic headlamp control.

BMW 1-Series M Coupe technology

Vehicle equipment

In this chapter, all production, country, and optional equipment that is offered in the model range is described. As a result, some equipment described may not be available in a particular vehicle, for example due to the options or national-market version selected. This also applies to safety related functions and systems.

High-performance engine

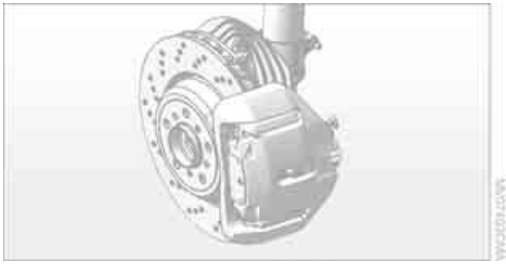
With a displacement of 182 cu in/3 liters, the high-performance engine produces a maximum output of 335 hp and a maximum torque of 332 lb ft/450 Nm, with Overboost 369 lb ft/500 Nm.
The engine is equipped with a reduced-weight dual-mass flywheel to achieve very spontaneous response characteristics.

Warming up the engine

During the warm-up phase, the high-performance V8 engine runs a little more roughly due to its emissions control system.

For technical reasons, the exhaust system sounds slightly metallic when the engine is cold.

Compound brake



Your BMW 1-Series M Coupe is equipped with a high-performance brake system with perforated compound brake discs.

Due to special design features of the perforated compound brake discs, operating noise is audible during braking. However, this does not affect the brake's performance, safe operation or stability under load.

Braking correctly

To keep the brake system in optimal condition, it is advisable to apply the brakes at regular intervals as appropriate for the character of the vehicle.

Refer also to Corrosion on brake rotors on page 25.

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Drive train

In your BMW 1-Series M Coupe, special emphasis has been placed on the direct connection between the engine and drive. The torsionally rigid execution of the drive train results in acoustic feedback of the torque, as is typical in sports cars. Clacking sounds can arise during load changes. They do not impair functionality or shorten the lifespan of any component.

Driving on a race track

BMW recommends the following measures before driving on a race track:

- Participate in a BMW driver training course
- Have the vehicle checked by your BMW center

Operation on race tracks results in a higher rate of wear. The BMW 1-Series M Coupe is not designed for use in competitive motor sports. This wear is not covered by the vehicle warranty.◀

The series brake pads and wear indicator are not designed for operation on a race track. Your BMW center will be glad to advise you.

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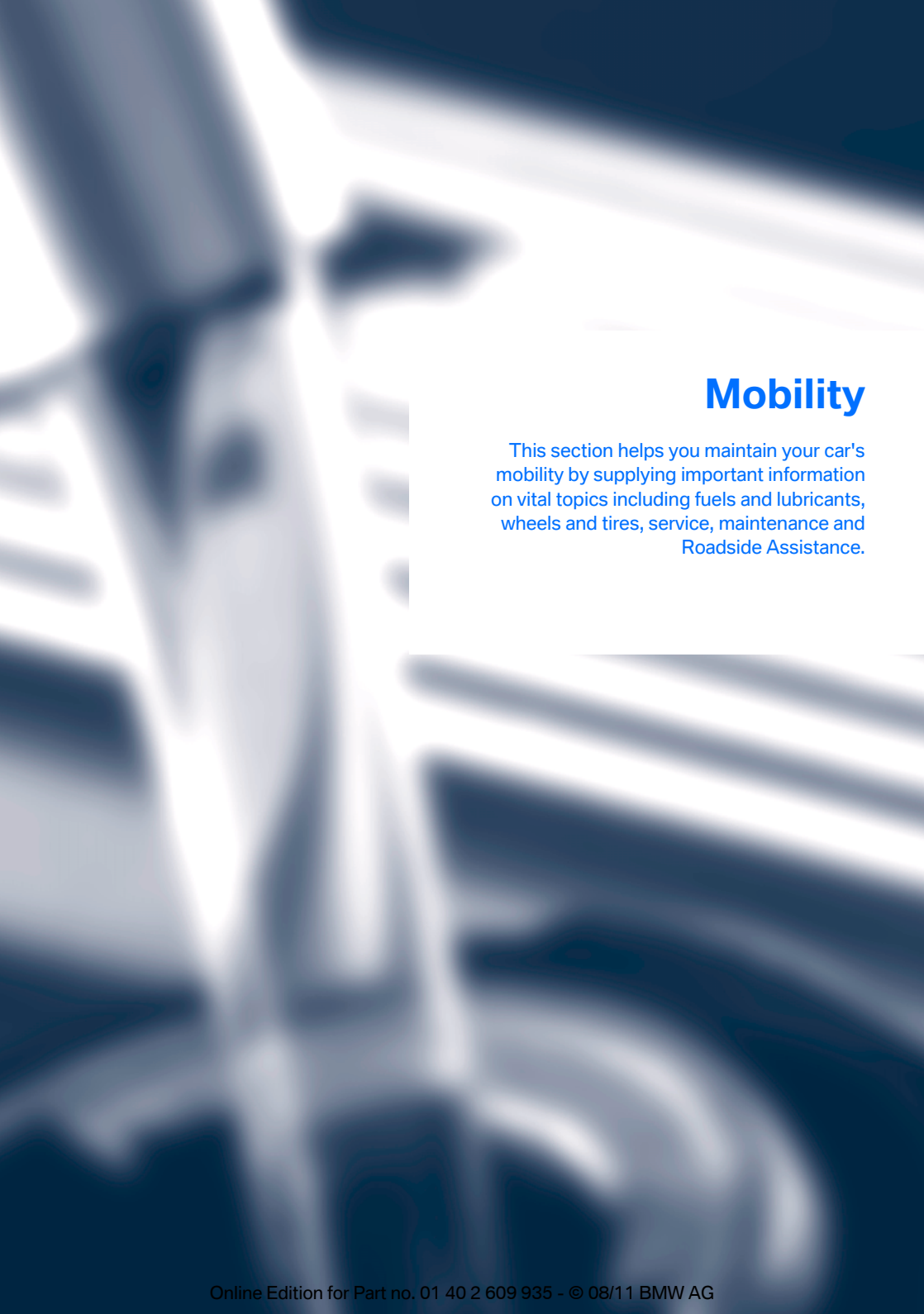

Mobility

This section helps you maintain your car's mobility by supplying important information on vital topics including fuels and lubricants, wheels and tires, service, maintenance and Roadside Assistance.

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Refueling

Vehicle equipment

In this chapter, all production, country, and optional equipment that is offered in the model range is described. For this reason, descriptions will be given of some equipment that may not be available in a vehicle, for example due to the special options or national-market version selected. This also applies to safety related functions and systems.

Observe the following when refueling

Note the following instructions for your BMW 1-Series M Coupe that deviate from the description in the Owner's Manual for Vehicle.

Fuel tank capacity

Approx. 14 US gal/53 liters, including the reserve capacity of 2.1 US gal/8 liters.

Refuel as soon as possible once your cruising range falls below 30 miles/ 50 km; otherwise, engine functions are not ensured and damage can occur.◀

Fuel specifications

Never use fuels labeled at the fuel pump as metal-containing.

Do not use leaded gasoline or gasoline with metallic additives such as manganese or iron; doing so can cause permanent damage to the catalytic converter and other components.◀

Do not fill the tank with E85, i.e. fuel containing 85 % ethanol, nor with FlexFuel. Otherwise, the engine and fuel supply system will be damaged.◀

Required fuel

Super premium gasoline/AKI 93

Always use this premium grade fuel to obtain maximum fuel economy and performance.

The minimum approved fuel grade is AKI 91.

Do not use any gasoline below the specified minimum fuel grade. Otherwise, the engine could be damaged.◀

Use high-quality brands

Field experience has indicated significant differences in fuel quality: volatility, composition, additives, etc., among gasolines offered for sale in the United States and Canada. Fuels containing up to and including 10 % ethanol or other oxygenates with up to 2.8 % oxygen by weight, that is, 15 % MTBE or 3 % methanol plus an equivalent amount of cosolvent, will not void the applicable warranties with respect to defects in materials or workmanship.

The use of poor-quality fuels may result in drivability, starting and stalling problems especially under certain environmental conditions such as high ambient temperature and high altitude.
Should you encounter drivability problems which you suspect could be related to the fuel you are using, we recommend that you respond by switching to a recognized high-quality brand such as gasoline that is advertised as Top Tier Detergent Gasoline.
Failure to comply with these recommendations may also result in unscheduled maintenance.◀

BMW recommends BP fuels

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Wheels and tires

Vehicle equipment

In this chapter, all production, country, and optional equipment that is offered in the model range is described. For this reason, descriptions will be given of some equipment that may not be available in a vehicle, for example due to the special options or national-market version selected. This also applies to safety related functions and systems.

Correct wheels and tires

Contrary to the description in the Owner's Manual for Vehicle, your BMW 1-Series M Coupe is not equipped with run-flat tires.

Information for your safety

The tires approved for your vehicle by the manufacturer were chosen specifically to meet the requirements of your vehicle and offer optimum driving safety and the desired driving comfort when used properly.

Tire inflation pressures

Tire size	Pressure specifications in bar/PSI			
	Traveling speeds up to a max. of 100 mph/160 km/h		Traveling speeds including those exceeding 100 mph/160 km/h	
All pressure specifications in the table are indicated in PSI/kilopascals with cold tires. Cold = ambient temperature				
235/40 R 18 95 V M+S XL	2.4/34	2.6/37	2.8/40	2.8/40
Front: 245/35 R 19 93 Y XL	2.4/34	-	2.6/37	-
Rear: 265/35 R 19 98 Y XL	-	2.4/34	-	2.8/40

More details on the permissible load and weights can be found on page 42.

Replacing components

Vehicle equipment

In this chapter, all production, country, and optional equipment that is offered in the model range is described. For this reason, descriptions will be given of some equipment that may not be available in a vehicle, for example due to the special options or national-market version selected. This also applies to safety related functions and systems.

Flat tire, repairing

Safety measures in the event of a flat tire: Park the vehicle as far away from moving traffic as possible and on a firm surface. Switch on the hazard warning flashers.
Set the parking brake and shift into first gear or reverse. Have all occupants leave the vehicle and move beyond the danger zone, e.g. behind the guard rails.
If necessary, set up a warning triangle or warning flasher at a suitable distance. Adhere to country-specific regulations.◀

BMW Mobility System

Notes

- Follow the instructions on using the Mobility System found on the compressor and the sealant bottle.
- Use of the Mobility System may not be effective against tire damage larger than approx. 0.16 in/4 mm.
- Contact the nearest BMW center if the tire cannot be made drivable with the Mobility System.
- If possible, leave any foreign bodies that have penetrated the tire in place.
- Remove the label with the speed restriction from the sealant bottle and apply it to the steering wheel.

Storage

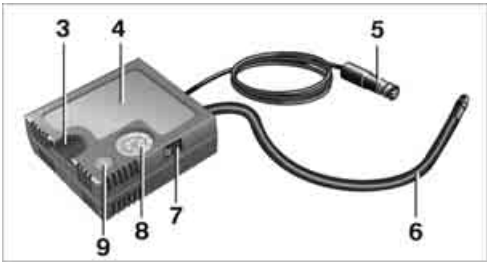
The Mobility System is stored in the cargo area under the floor mat.

Sealant cylinder and compressor

1 Sealant bottle and label with speed restriction

2 Filling hose

Note the use-by date on the sealant bottle.



3 Holder for sealant bottle

4 Compressor

5 Connector/cable for socket

6 Hose to connect compressor and sealant bottle or compressor and wheel

7 On/off switch

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8 Pressure gauge for displaying the tire inflation pressure

9 Deflation button for reducing the inflation pressure

The connector, cable and connection hose are stored in the compressor housing.

Using the Mobility System

To repair a flat tire with the Mobility System, proceed as follows:

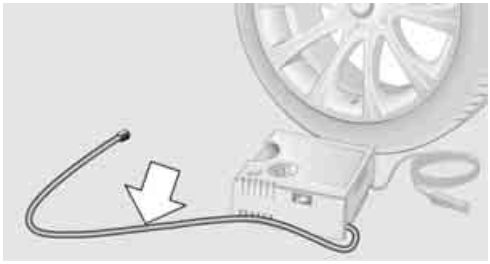
- ▷ Fill with sealant.
- ▷ Distribute the sealant.
- ▷ Correct the tire inflation pressure.

Filling with sealant

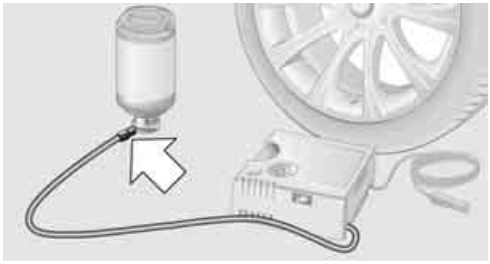
Follow the specified sequence, otherwise the sealant may escape under high pressure.◀

1. Shake the sealant bottle.

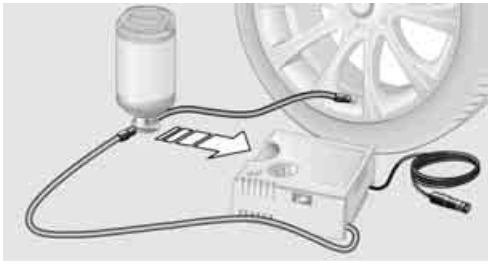
2. Remove connecting hose completely from the compressor housing.



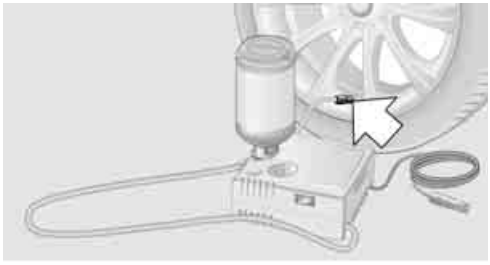
3. Screw the connecting hose to the connection of the sealant bottle. Do not kink the hose.



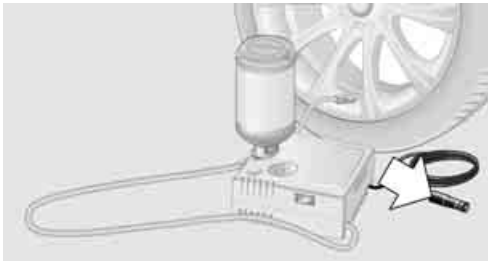
4. Insert the sealant bottle into the housing of the compressor so that the bottle is upright.



5. Screw the filler hose of the sealant bottle onto the valve of the faulty tire.

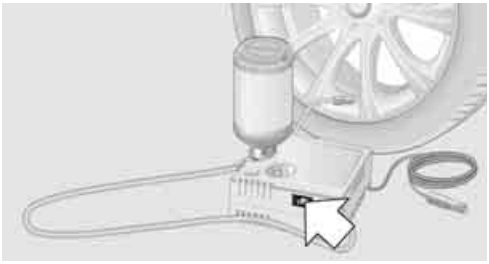


6. Ensure that the compressor is switched off.
7. Insert the plug into the power socket in the vehicle interior.



8. With the ignition switched on or the engine running, switch on the compressor.

   Let the compressor run for approx. 3 to 8 minutes to fill the tire with sealant and achieve a tire inflation pressure of approx. 36 PSI/250 kPa.



9. Switch off the compressor.

While the tire is being filled with sealant, the displayed inflation pressure may briefly reach approx. 73 PSI/500 kPa. Do not switch off the compressor in this phase.

Do not run the engine in enclosed areas; otherwise, the inhalation of toxic exhaust gases can cause loss of consciousness and death. The exhaust gases contain carbon monoxide, an odorless and colorless, but highly toxic gas.◀

Do not let the compressor run for more than 10 minutes, otherwise the device will overheat and may be damaged.◀

If an inflation pressure of 29 PSI/2 bar cannot be reached:

1. Switch off the compressor.
2. Unscrew the filler hose from the tire valve.
3. Drive 33 ft/10 m forward and in reverse to distribute the sealing compound in the tire.
4. Inflate the tire again with the compressor. If an inflation pressure of 29 PSI/200 kPa still cannot be reached, the tire is too heavily damaged. Contact your BMW center.

Stowing Mobility System

1. Unscrew the filler hose of the sealant bottle from the tire valve.
2. Unscrew the connecting hose of the compressor from the sealant bottle.
3. Connect the filler hose of the sealant bottle to the unoccupied connection on the sealant bottle.
   This prevents the rest of the sealant from escaping from the bottle.
4. Wrap the empty sealant bottle in suitable material to avoid dirtying the cargo area.
5. Stow Mobility System back in the vehicle.

Distributing the sealant

Immediately drive approx. 3 miles/5 km to evenly distribute the sealant in the tire.

Do not exceed a speed of 50 mph/80 km/h. If possible, do not fall below a speed of 12 mph/20 km/h.◀

Correcting the tire inflation pressure

1. Stop at a suitable location.
2. Connect connecting hose of the compressor directly to the tire valve.
3. Insert the plug into the power socket in the vehicle interior.
4. Adjust the tire inflation pressure to 36 PSI/250 kPa. With the engine running:
   - To increase the inflation pressure: With the ignition switched on or the engine running, switch on the compressor. To check the inflation pressure, switch off the compressor.
   - To reduce the inflation pressure: Press the discharge button on the compressor.

If the inflation pressure is not maintained, drive the vehicle a second time, refer to Distributing the sealant. Then repeat steps 1 to 4.

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If the tire is still unable to maintain an inflation pressure, then the tire is too badly damaged. Contact your BMW center.◀

Continuing your trip

Do not exceed the maximum allowable speed of 50 mph/80 km/h to avoid the risk of an accident.◀

Reinitialize the Flat Tire Monitor. Have the faulty tire and the sealant bottle of the Mobility System replaced as soon as possible.◀

Indicator and warning lamps

Vehicle equipment

In this chapter, all production, country, and optional equipment that is offered in the model range is described. For this reason, descriptions will be given of some equipment that may not be available in a vehicle, for example due to the special options or national-market version selected. This also applies to safety related functions and systems.

The concept

Indicator and warning lamps appear in the display area. See the table for information on causes and how to react. Note whether a lamp lights up alone or in combination with another. Some lamps can light up in different colors. Corresponding distinctions are made in the text.

In addition to the indicator lamps described in the Owner's Manual for the vehicle, please note the following indicator lamps in your BMW 1-Series M Coupe:

1	2	Cause	What to do
		Lights up briefly: Approx. 2.1 US gal/8 liters of fuel remain in the tank Remains on: Remaining operating range is no more than 30 miles/50 km, refer to page 18	
MDM		M Dynamic Mode MDM activated, also refer to page 19	
MDM		MDM and DSC OFF light up DSC flashes: M Dynamic Mode MDM is controlling the drive and braking forces, also refer to page 19	

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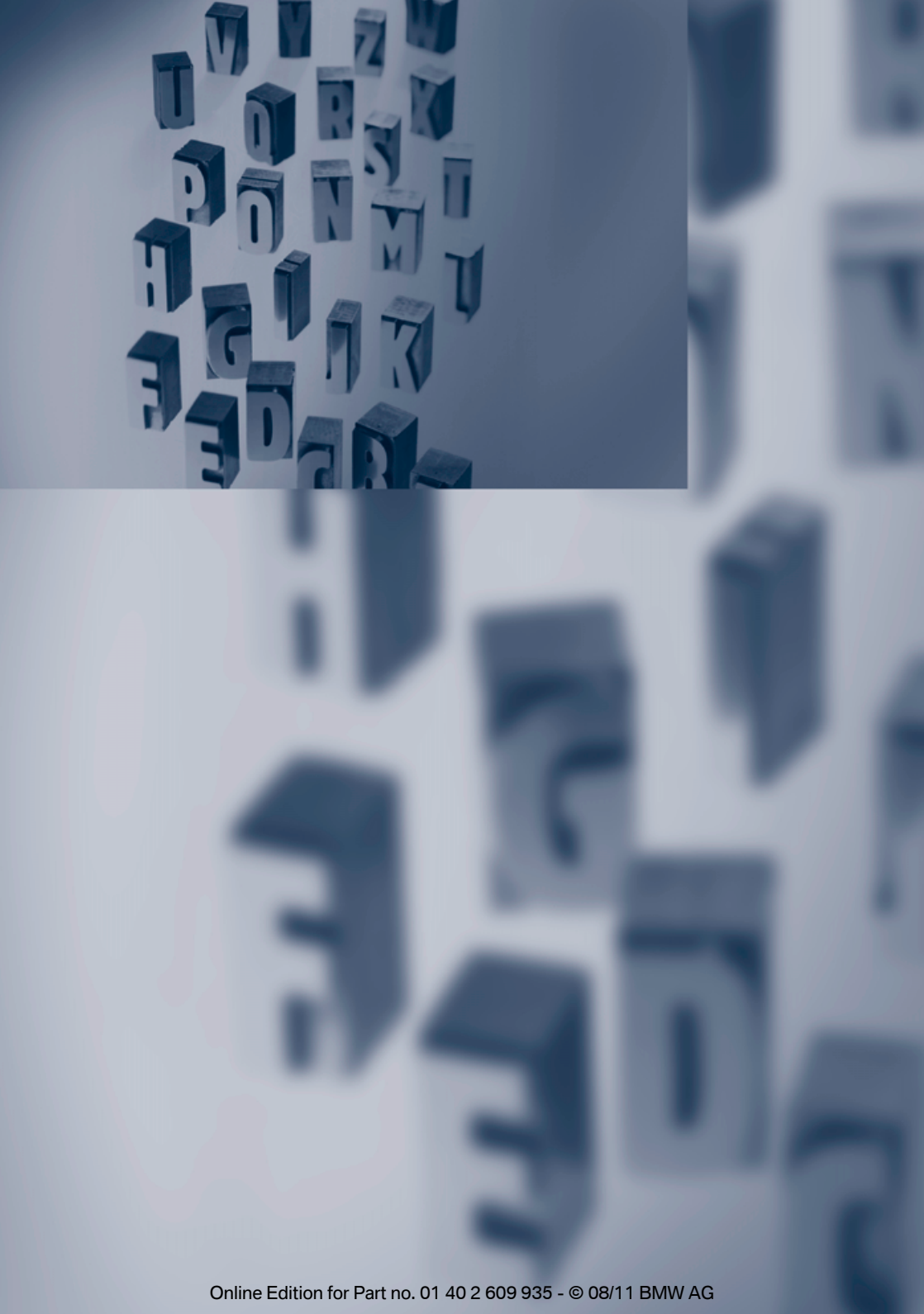
1	2	Cause	What to do
		Flashing: Dynamic Stability Control DSC is regulating the drive and brake forces, also refer to page 20	
	DSC OFF	Dynamic Stability Control DSC and M Dynamic Mode MDM are deactivated, also refer to page 20	Driving stability limited during acceleration and cornering. You can continue your journey, but moderate your speed and exercise due caution.
		Suspension control system has failed	Driving stability limited during acceleration and cornering. You can continue your journey, but moderate your speed and exercise due caution. Have the system checked as soon as possible.
		Lights up in red:	
		▷ Clutch overheated	Bring the vehicle to a stop and allow the clutch to cool down. You can continue your journey, but moderate your speed and exercise due caution. Have the system checked if the situation reoccurs.
		▷ Transmission overheating	Stop the car and switch off the engine. Allow the transmission to cool down. You can continue your journey, but moderate your speed and exercise due caution. Have the system checked if the situation reoccurs.
		Lights up in yellow:	
		▷ Clutch too hot	Avoid frequent accelerations from zero and driving at walking speed. You can continue your journey, but moderate your speed and exercise due caution.
		▷ Transmission too hot	Avoid high engine loads. You can continue your journey, but moderate your speed and exercise due caution.



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Reference

This chapter contains technical data and an index that will help you find information most quickly.

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Technical data

Vehicle equipment

In this chapter, all production, country, and optional equipment that is offered in the model range is described. As a result, some equipment described may not be available in a particular vehicle, for example due to the options or national-market version selected. This also applies to safety related functions and systems.

Engine data

		1-Series M Coupe
Displacement	cu in/cm³	182/2,979
Number of cylinders		6
Maximum output	hp	335
at engine speed	rpm	5,900
Maximum torque	lb ft/Nm	332/450
with Overboost	lb ft/Nm	369/500
at engine speed	rpm	1,500-4,500

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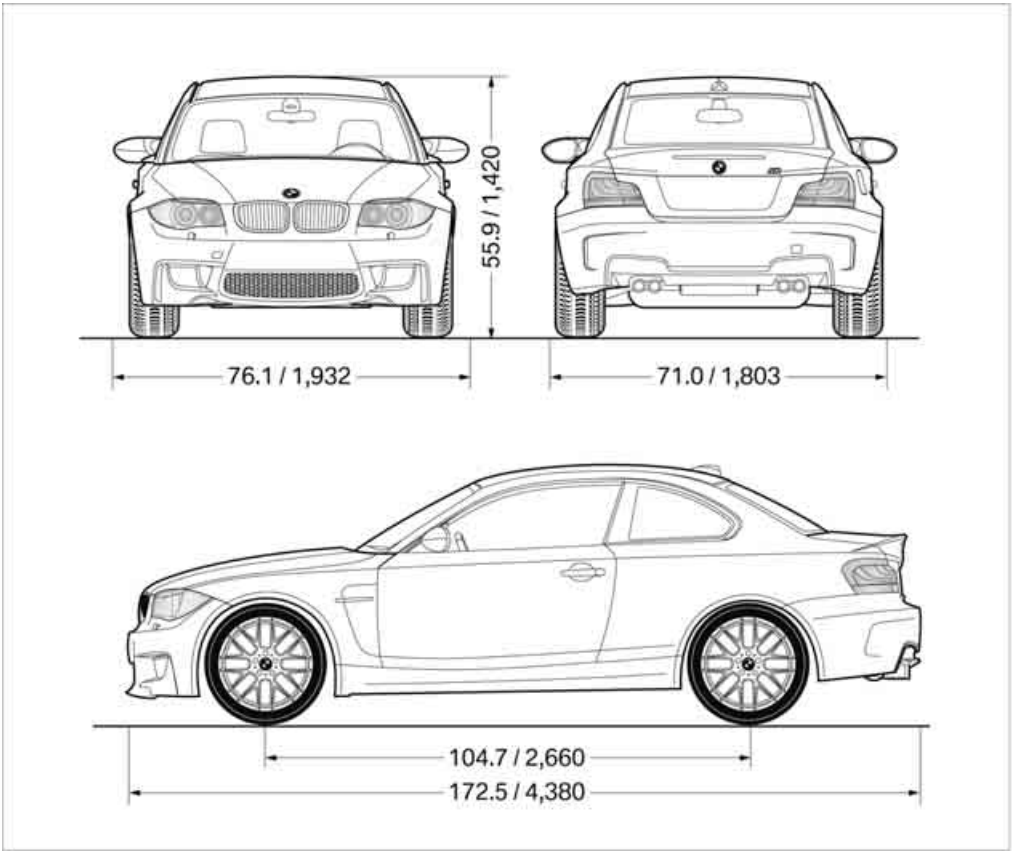
Dimensions



All dimensions given in inches/mm.
Smallest turning circle diam.: 37.7 ft/11.5 m.

Weights

		1-Series M Coupe
Approved gross weight	lbs/kg	4,255/1,930
Load	lbs/kg	893/360
Approved front axle load	lbs/kg	2,072/940
Approved rear axle load	lbs/kg	2,271/1,030
Approved roof load capacity	lbs/kg	165/75
Cargo area capacity	cu ft/liters	13.1/370

Never exceed either the approved axle loads or the gross vehicle weight.

Capacities

			Notes
Fuel tank	US gal/liters	approx. 14.0/53	Fuel grade: page 30
including reserve of	US gal/liters	approx. 2.1/8.0	
Window washer system			
including headlamp washers	US quarts/liters	approx. 5.9/5.6	

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Everything from A to Z

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